

# Endangered, Threatened, Special Concern, and Historical Biota of Kentucky

## ABSTRACT

The Kentucky State Nature Preserves Commission has updated and revised the list of rare and extirpated and/or extinct biota last published in 2000 and revised in 2001. The revised list includes a lichen, 392 plant and 312 animal taxa considered rare in Kentucky, and 4 plant and 49 animal taxa considered extirpated from Kentucky or extinct. Two rare leafhoppers (Homoptera) were added to the list becoming the first species from this insect order to be monitored in Kentucky.

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	Status KSNPC US		Status KSNPC US
<b>LICHENS</b>			
<i>Phaeophyscia leana</i> Lea's Bog Lichen	E --	<i>Adiantum capillus-veneris</i> Southern Maidenhair-fern	T --
		<i>Adlumia fungosa</i> Allegheny-vine	E --
		<i>Aesculus pavia</i> Red Buckeye	T --
		<i>Agalinis auriculata</i> Earleaf False Foxglove	E --
		<i>Agalinis obtusifolia</i> Ten-lobe False Foxglove	E --
		<i>Agastache scrophulariifolia</i> Purple Giant Hyssop	H --
		<i>Ageratina luciae-brauniae</i> Lucy Braun's White Snakeroot	S --
<b>PLANTS</b>		<i>Agrimonia gryposepala</i> Tall Hairy Groovebur	T --
<b>Mosses<sup>1</sup></b>		<i>Amianthium muscitoxicum</i> Fly Poison	T --
<i>Abietinella abietina</i> Wire Fern Moss	T --	<i>Amsonia tabernaemontana</i> var. <i>gattingeri</i> Eastern Blue-star	E --
<i>Anomodon rugelii</i>	T --	<i>Anemone canadensis</i> Canada Anemone	H --
<i>Brachythecium populeum</i> Matted Feather Moss	E --	<i>Angelica triquinata</i> Filmy Angelica	E --
<i>Bryum cyclophyllum</i>	E --	<i>Aplos priceana</i> Price's Potato-bean	E LT
<i>Bryum miniatum</i>	E --	<i>Arabis hirsuta</i> Western Hairy Rockcress	T --
<i>Cirriphyllum piliferum</i>	T --	<i>Arabis missouriensis</i> Missouri Rockcress	H --
<i>Dicranodontium asperulum</i>	E --	<i>Arabis perstellata</i> Braun's Rockcress	T LE
<i>Entodon brevisetus</i>	E --	<i>Aristida ramosissima</i> Branched Three-awn Grass	H --
<i>Herzogiella turfacea</i>	E --	<i>Armoracia lacustris</i> Lakecress	T --
<i>Neckera pennata</i>	T --	<i>Aureolaria patula</i> Spreading False Foxglove	S --
<i>Oncophorus raui</i>	E --	<i>Baptisia australis</i> var. <i>minor</i> Blue Wild Indigo	S --
<i>Orthotrichum diaphanum</i>	E --	<i>Baptisia bracteata</i> var. <i>leucophaea</i> Cream Wild Indigo	S --
<i>Polytrichum pallidisetum</i> A Hair Cap Moss	T --	<i>Baptisia tinctoria</i> Yellow Wild Indigo	T --
<i>Polytrichum strictum</i>	E --	<i>Bartonia virginica</i> Yellow Screwstem	T --
<i>Sphagnum quinquefarium</i> A Sphagnum Moss	E --	<i>Berberis canadensis</i> American Barberry	E --
<i>Tortula norvegica</i> Tortula	E --		
<b>Vascular Plants</b>			
<i>Acer spicatum</i> Mountain Maple	E --		
<i>Aconitum uncinatum</i> Blue Monkshood	T --		

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	Status KSNPC US			Status KSNPC US	
<i>Berchemia scandens</i>	T	--	<i>Carex reniformis</i>	E	--
Supple-jack			Reniform Sedge		
<i>Bolboschoenus fluviatilis</i>	E	--	<i>Carex roanensis</i>	E	--
River Bulrush			Roan Mountain Sedge		
<i>Botrychium matricariifolium</i>	E	--	<i>Carex rugosperma</i>	T	--
Matricary Grape-fern			Umbel-like Sedge		
<i>Botrychium oneidense</i>	H	--	<i>Carex seorsa</i>	S	--
Blunt-lobe Grape-fern			Weak Stellate Sedge		
<i>Bouteloua curtipendula</i>	S	--	<i>Carex stipata</i> var. <i>maxima</i>	H	--
Side-oats Grama			Stalkgrain Sedge		
<i>Boykinia aconitifolia</i>	T	--	<i>Carex straminea</i>	T	--
Brook Saxifrage			Straw Sedge		
<i>Cabomba caroliniana</i>	T	--	<i>Carex tetanica</i>	E	--
Carolina Fanwort			Rigid Sedge		
<i>Calamagrostis canadensis</i> var. <i>macouniana</i>	H	--	<i>Carya aquatica</i>	T	--
Blue-joint Reedgrass			Water Hickory		
<i>Calamagrostis porteri</i> ssp. <i>insperata</i>	E	--	<i>Carya carolinae-septentrionalis</i>	T	--
Bent Reedgrass			Southern Shagbark Hickory		
<i>Calamagrostis porteri</i> ssp. <i>porteri</i>	T	--	<i>Castanea dentata</i>	E	--
Porter's Reedgrass			American Chestnut		
<i>Callirhoe alcaeoides</i>	H	--	<i>Castanea pumila</i>	T	--
Clustered Poppy-mallow			Allegheny Chinkapin		
<i>Calopogon tuberosus</i>	E	--	<i>Castilleja coccinea</i>	E	--
Grass Pink			Scarlet Indian Paintbrush		
<i>Calycanthus floridus</i> var. <i>glaucus</i>	T	--	<i>Ceanothus herbaceus</i>	T	--
Eastern Sweetshrub			Prairie Redroot		
<i>Calylophus serrulatus</i>	H	--	<i>Cheilanthes alabamensis</i>	H	--
Yellow Evening Primrose			Alabama Lipfern		
<i>Carex aestivalis</i>	E	--	<i>Cheilanthes feei</i>	E	--
Summer Sedge			Fee's Lipfern		
<i>Carex alata</i>	T	--	<i>Chelone obliqua</i> var. <i>obliqua</i>	E	--
Broadwing Sedge			Red Turtlehead		
<i>Carex appalachica</i>	T	--	<i>Chelone obliqua</i> var. <i>speciosa</i>	S	--
Appalachian Sedge			Rose Turtlehead		
<i>Carex atlantica</i> ssp. <i>capillacea</i>	E	--	<i>Chrysogonium virginianum</i>	E	--
Prickly Bog Sedge			Green-and-gold		
<i>Carex austrocaroliniana</i>	S	--	<i>Chrysosplenium americanum</i>	T	--
Tarheel Sedge			American Golden-saxifrage		
<i>Carex buxbaumii</i>	H	--	<i>Cimicifuga rubifolia</i>	T	--
Brown Bog Sedge			Appalachian Bugbane		
<i>Carex comosa</i>	H	--	<i>Circaeae alpina</i>	S	--
Bristly Sedge			Small Enchanter's Nightshade		
<i>Carex craccae</i>	S	--	<i>Clematis crispa</i>	T	--
Crawe's Sedge			Blue Jasmine Leather-flower		
<i>Carex crebriflora</i>	T	--	<i>Coeloglossum viride</i> var. <i>virescens</i>	H	--
Coastal Plain Sedge			Long-bract Green Orchis		
<i>Carex decomposita</i>	T	--	<i>Collinsonia verticillata</i>	E	--
Epiphytic Sedge			Whorled Horse-balm		
<i>Carex gigantea</i>	T	--	<i>Comptonia peregrina</i>	E	--
Large Sedge			Sweet-fern		
<i>Carex hystericina</i>	H	--	<i>Conradina verticillata</i>	E	LT
Porcupine Sedge			Cumberland Rosemary		
<i>Carex joorii</i>	E	--	<i>Convallaria montana</i>	E	--
Cypress-swamp Sedge			American Lily-of-the-valley		
<i>Carex juniperorum</i>	E	--	<i>Corallorrhiza maculata</i>	E	--
Cedar Sedge			Spotted Coralroot		
<i>Carex leptoponervia</i>	E	--	<i>Coreopsis pubescens</i>	S	--
Finely-nerved Sedge			Star Tickseed		
<i>Carex pellita</i>	H	--	<i>Corydalis sempervirens</i>	S	--
Woolly Sedge			Rock Harlequin		

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	Status KSNPC US			Status KSNPC US	
<i>Cymophyllum fraserianus</i>	E	--	<i>Euphorbia mercurialina</i>	T	--
Fraser's Sedge			Mercury Spurge		
<i>Cyperus plukenetii</i>	H	--	<i>Eurybia hemispherica</i>	E	--
Plukenet's Cyperus			Tennessee Aster		
<i>Cypripedium candidum</i>	E	--	<i>Eurybia radula</i>	E	--
Small White Lady's-slipper			Rough-leaved Aster		
<i>Cypripedium kentuckiense</i>	E	--	<i>Eurybia saxicastellii</i>	T	--
Kentucky Lady's-slipper			Rockcastle Aster		
<i>Cypripedium parviflorum</i>	T	--	<i>Fimbristylis puberula</i>	T	--
Small Yellow Lady's-slipper			Hairy Fimbristylis		
<i>Cypripedium reginae</i>	H	--	<i>Forestiera ligustrina</i>	T	--
Showy Lady's-slipper			Upland Privet		
<i>Dalea purpurea</i>	S	--	<i>Gentiana decora</i>	S	--
Purple Prairie-clover			Showy Gentian		
<i>Delphinium carolinianum</i>	T	--	<i>Gentiana flavida</i>	E	--
Carolina Larkspur			Yellow Gentian		
<i>Deschampsia cespitosa</i>	E	--	<i>Gentiana puberulenta</i>	E	--
Tufted Hairgrass			Prairie Gentian		
<i>Deschampsia flexuosa</i>	T	--	<i>Glandularia canadensis</i>	E	--
Crinkled Hairgrass			Rose Mock-verbain		
<i>Dichanthelium boreale</i>	S	--	<i>Glechoma aquatica</i>	S	--
Northern Witchgrass			Water Locust		
<i>Didiplis diandra</i>	S	--	<i>Glyceria acutiflora</i>	E	--
Water-purslane			Sharp-scaled Manna-grass		
<i>Disporum maculatum</i>	S	--	<i>Gratiola pilosa</i>	T	--
Nodding Mandarin			Shaggy Hedgehyssop		
<i>Dodecatheon frenchii</i>	S	--	<i>Gratiola viscidula</i>	S	--
French's Shooting Star			Short's Hedgehyssop		
<i>Draba cuneifolia</i>	E	--	<i>Gymnopogon ambiguus</i>	S	--
Wedge-leaf Whitlow-grass			Bearded Skeleton-grass		
<i>Drosera brevifolia</i>	E	--	<i>Gymnopogon brevifolius</i>	E	--
Dwarf Sundew			Shortleaf Skeleton-grass		
<i>Drosera intermedia</i>	E	--	<i>Halesia tetraptera</i>	E	--
Spoon-leaved Sundew			Common Silverbell		
<i>Dryopteris carthusiana</i>	S	--	<i>Hedeoma hispidum</i>	T	--
Spinulose Wood Fern			Rough Pennyroyal		
<i>Dryopteris ludoviciana</i>	H	--	<i>Helianthemum bicknellii</i>	E	--
Southern Shield Wood Fern			Plains Frostweed		
<i>Echinodorus berteroii</i>	T	--	<i>Helianthemum canadense</i>	E	--
Burhead			Canada Frostweed		
<i>Echinodorus parvulus</i>	E	--	<i>Helianthus eggertii</i>	T	LT
Dwarf Burhead			Eggert's Sunflower		
<i>Eleocharis olivacea</i>	S	--	<i>Helianthus silphioides</i>	E	--
Bright Green Spikerush			Silphium Sunflower		
<i>Elodea nuttallii</i>	T	--	<i>Heracleum lanatum</i>	H	--
Western Waterweed			Cow-parsnip		
<i>Elymus svensonii</i>	S	--	<i>Heteranthera dubia</i>	S	--
Svenson's Wildrye			Grassleaf Mud-plantain		
<i>Eriophorum virginicum</i>	E	--	<i>Heteranthera limosa</i>	S	--
Tawny Cotton-grass			Blue Mud-plantain		
<i>Eryngium integrifolium</i>	E	--	<i>Heterotheca subaxillaris</i> var. <i>latifolia</i>	T	--
Blue-flower Coyote-thistle			Broad-leaf Golden-aster		
<i>Erythronium rostratum</i>	S	--	<i>Hexastylis contracta</i>	E	--
Yellow Troutlily			Southern Heartleaf		
<i>Eupatorium maculatum</i>	H	--	<i>Hieracium longipilum</i>	T	--
Spotted Joe-pye-weed			Hairy Hawkweed		
<i>Eupatorium semiserratum</i>	E	--	<i>Houstonia serpyllifolia</i>	E	--
Small-flower Thoroughwort			Michaux's Bluels		
<i>Eupatorium steelei</i>	T	--	<i>Hydrocotyle americana</i>	E	--
Steele's Joe-pye-weed			American Water-pennywort		

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<i>Hydrocotyle ranunculoides</i>	E	--	<i>Limnobium spongia</i>	T	--
Floating Pennywort			American Frog's-bit		
<i>Hydrolea ovata</i>	H	--	<i>Liparis loeselii</i>	T	--
Ovate Fiddleleaf			Loesel's Twayblade		
<i>Hydrolea uniflora</i>	H	--	<i>Listera australis</i>	H	--
One-flower Fiddleleaf			Southern Twayblade		
<i>Hydrophyllum virginianum</i>	T	--	<i>Listera smallii</i>	T	--
Eastern Waterleaf			Kidney-leaf Twayblade		
<i>Hypericum adpressum</i>	H	--	<i>Lobelia appendiculata</i> var. <i>gattingeri</i>	E	--
Creeping St. John's-wort			Gattinger's Lobelia		
<i>Hypericum crux-andreae</i>	T	--	<i>Lobelia nuttallii</i>	T	--
St. Peter's-wort			Nuttall's Lobelia		
<i>Hypericum pseudomaculatum</i>	H	--	<i>Lonicera dioica</i> var. <i>orientalis</i>	H	--
Large Spotted St. John's-wort			Wild Honeysuckle		
<i>Iris fulva</i>	E	--	<i>Lonicera reticulata</i>	E	--
Copper Iris			Grape Honeysuckle		
<i>Isoetes butleri</i>	E	--	<i>Ludwigia hirtella</i>	E	--
Butler's Quillwort			Hairy Ludwigia		
<i>Isoetes melanopoda</i>	E	--	<i>Lycopodiella appressa</i>	E	--
Blackfoot Quillwort			Southern Bog Clubmoss		
<i>Juglans cinerea</i>	S	--	<i>Lycopodium clavatum</i>	E	--
White Walnut			Running Pine		
<i>Juncus articulatus</i>	S	--	<i>Lycopodium inundatum</i>	E	--
Jointed Rush			Northern Bog Clubmoss		
<i>Juncus ellottii</i>	H	--	<i>Lysimachia fraseri</i>	E	--
Bog Rush			Fraser's Loosestrife		
<i>Juncus filipendulus</i>	T	--	<i>Lysimachia radicans</i>	H	--
Ringseed Rush			Trailing Loosestrife		
<i>Juniperus communis</i> var. <i>depressa</i>	T	--	<i>Lysimachia terrestris</i>	E	--
Ground Juniper			Swamp Candles		
<i>Koeleria macrantha</i>	E	--	<i>Magnolia pyramidata</i>	H	--
Prairie Junegrass			Pyramid Magnolia		
<i>Krigia occidentalis</i>	E	--	<i>Maianthemum canadense</i>	T	--
Western Dwarf Dandelion			Wild Lily-of-the-valley		
<i>Lathyrus palustris</i>	T	--	<i>Maianthemum stellatum</i>	E	--
Vetchling Peavine			Starflower False Solomon's-seal		
<i>Lathyrus venosus</i>	S	--	<i>Malus angustifolia</i>	S	--
Smooth Veiny Peavine			Southern Crabapple		
<i>Leavenworthia exigua</i> var. <i>lacinata</i>	E	--	<i>Malvastrum hispidum</i>	T	--
Gladecress			Hispid Falsemallow		
<i>Leavenworthia torulosa</i>	T	--	<i>Marshallia grandiflora</i>	E	--
Necklace Gladecress			Barbara's Buttons		
<i>Leiophyllum buxifolium</i>	H	--	<i>Matelea carolinensis</i>	E	--
Sand-myrtle			Carolina Anglepod		
<i>Lespedeza capitata</i>	S	--	<i>Melampyrum lineare</i> var. <i>latifolium</i>	T	--
Round-head Bush-clover			American Cowwheat		
<i>Lespedeza stuevei</i>	S	--	<i>Melampyrum lineare</i> var. <i>pectinatum</i>	E	--
Tall Bush-clover			American Cow-wheat		
<i>Lesquerella globosa</i>	E	C	<i>Melanthera nivea</i>	S	--
Globe Bladderpod			Snow squarestem		
<i>Lesquerella lescurei</i>	H	--	<i>Melanthium parviflorum</i>	E	--
Lescure's Bladderpod			Appalachian Bunchflower		
<i>Leucothoe recurva</i>	E	--	<i>Melanthium virginicum</i>	E	--
Red-twig Doghobble			Virginia Bunchflower		
<i>Liatris cylindracea</i>	T	--	<i>Melanthium woodii</i>	T	--
Slender Blazingstar			Wood's Bunchflower		
<i>Lilium philadelphicum</i>	T	--	<i>Minuartia cumberlandensis</i>	E	LE
Wood Lily			Cumberland Sandwort		
<i>Lilium superbum</i>	T	--	<i>Minuartia glabra</i>	T	--
Turk's Cap Lily			Appalachian Sandwort		

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<i>Mirabilis albida</i> Pale Umbrella-wort	H --	<i>Phacelia ranunculacea</i> Blue Scorpion-weed	S --
<i>Monarda punctata</i> Spotted Bee-balm	H --	<i>Philadelphus inodorus</i> Mock Orange	T --
<i>Monotropa odorata</i> Sweet Pinesap	T --	<i>Philadelphus pubescens</i> Hoary Mock Orange	E --
<i>Muhlenbergia bushii</i> Bush's Muhly	E --	<i>Phlox bifida</i> ssp. <i>bifida</i> Cleft Phlox	T --
<i>Muhlenbergia cuspidata</i> Plains Muhly	T --	<i>Phlox bifida</i> ssp. <i>stellaria</i> Starry-cleft Phlox	E --
<i>Muhlenbergia glabriflora</i> Hair Grass	S --	<i>Plantago cordata</i> Heart-leaved Plantain	H --
<i>Myriophyllum heterophyllum</i> Broadleaf Water-milfoil	S --	<i>Platanthera cristata</i> Yellow-crested Orchid	T --
<i>Myriophyllum pinnatum</i> Cutleaf Water-milfoil	H --	<i>Platanthera integrilabia</i> White Fringeless Orchid	E C
<i>Najas gracillima</i> Thread-like Naiad	S --	<i>Platanthera psycodes</i> Small Purple-fringed Orchid	E --
<i>Nemophila apilla</i> Small-flower Baby-blue-eyes	T --	<i>Poa saltuensis</i> Drooping Bluegrass	E --
<i>Nestronia umbellula</i> Conjurer's-nut	E --	<i>Podostemum ceratophyllum</i> Threadfoot	S --
<i>Oclemena acuminata</i> Whorled Aster	T --	<i>Pogonia ophioglossoides</i> Rose Pogonia	E --
<i>Oenothera linifolia</i> Thread-leaf Sundrops	E --	<i>Polygala cruciata</i> Crossleaf Milkwort	E --
<i>Oenothera oakesiana</i> Evening Primrose	H --	<i>Polygala nuttallii</i> Nuttall's Milkwort	H --
<i>Oenothera perennis</i> Small Sundrops	E --	<i>Polygala paucifolia</i> Gaywings	E --
<i>Oenothera triloba</i> Stemless Evening-primrose	T --	<i>Polygala polygama</i> Racemed Milkwort	T --
<i>Oldenlandia uniflora</i> Clustered Bluet	E --	<i>Polymnia laevigata</i> Tennessee Leafcup	E --
<i>Onosmodium molle</i> ssp. <i>hispidissimum</i> Hairy False Gromwell	E --	<i>Pontederia cordata</i> Pickerel-weed	T --
<i>Onosmodium molle</i> ssp. <i>molle</i> Soft False Gromwell	H --	<i>Potamogeton illinoensis</i> Illinois Pondweed	S --
<i>Onosmodium molle</i> ssp. <i>occidentale</i> Western False Gromwell	E --	<i>Potamogeton pulcher</i> Spotted Pondweed	T --
<i>Orobanche ludoviciana</i> Louisiana Broomrape	H --	<i>Prenanthes alba</i> White Rattlesnake-root	E --
<i>Orontium aquaticum</i> Golden Club	T --	<i>Prenanthes aspera</i> Rough Rattlesnake-root	E --
<i>Oxalis priceae</i> Price's Yellow Wood Sorrel	H --	<i>Prenanthes barbata</i> Barbed Rattlesnake-root	E --
<i>Parnassia asarifolia</i> Kidneyleaf Grass-of-parnassus	E --	<i>Prenanthes crepidinea</i> Nodding Rattlesnake-root	T --
<i>Parnassia grandifolia</i> Large-leaved Grass-of-parnassus	E --	<i>Pseudognaphalium helleri</i> Small Rabbit-tobacco	H --
<i>Paronychia argyrocoma</i> Silverling	E --	<i>Psoralidium tenuiflorum</i> Few-flowered Scurf-pea	E --
<i>Paspalum boscianum</i> Bull Paspalum	S --	<i>Ptilimnium capillaceum</i> Mock Bishop's-weed	T --
<i>Paxistima canbyi</i> Canby's Mountain-lover	T --	<i>Ptilimnium costatum</i> Eastern Mock Bishop's-weed	T --
<i>Pedicularis lanceolata</i> Swamp Lousewort	H --	<i>Ptilimnium nuttallii</i> Nuttall's Mock Bishop's-weed	E --
<i>Perideridia americana</i> Eastern Eulophus	T --	<i>Pycnanthemum albescens</i> Whiteleaf Mountainmint	E --

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<i>Pycnanthemum muticum</i>	H	--	<i>Scirpus microcarpus</i>		E	--
Blunt Mountainmint			Small-fruit Bulrush			
<i>Pyrola americana</i>	H	--	<i>Scirpus verecundus</i>		E	--
American Wintergreen			Bashful Bulrush			
<i>Quercus nigra</i>	T	--	<i>Scleria ciliata</i> var. <i>ciliata</i>		E	--
Water Oak			Fringed Nutrush			
<i>Quercus texana</i>	T	--	<i>Scutellaria arguta</i>		E	--
Nuttall's Oak			Hairy Skullcap			
<i>Ranunculus ambigens</i>	S	--	<i>Scutellaria saxatilis</i>		T	--
Waterplantain Spearwort			Rock Skullcap			
<i>Rhododendron canescens</i>	E	--	<i>Sedum telephioides</i>		T	--
Hoary Azalea			Allegheny Stonecrop			
<i>Rhynchosia tomentosa</i>	E	--	<i>Sida hermaphrodita</i>		S	--
Hairy Snoutbean			Virginia Mallow			
<i>Rhynchospora macrostachya</i>	E	--	<i>Silene ovata</i>		E	--
Tall Beaked-rush			Ovate Catchfly			
<i>Rhynchospora recognita</i>	S	--	<i>Silene regia</i>		E	--
Globe Beaked-rush			Royal Catchfly			
<i>Rubus canadensis</i>	E	--	<i>Silphium laciniatum</i> var. <i>laciniatum</i>		T	--
Smooth Blackberry			Compassplant			
<i>Rubus whartoniae</i>	T	--	<i>Silphium laciniatum</i> var. <i>robinsonii</i>		T	--
Wharton's Dewberry			Compassplant			
<i>Rudbeckia subtomentosa</i>	E	--	<i>Silphium pinnatifidum</i>		S	--
Sweet Coneflower			Tansy Rosinweed			
<i>Sabatia campanulata</i>	E	--	<i>Silphium wasiotense</i>		S	--
Slender Marsh Pink			Appalachian Rosinweed			
<i>Sagittaria graminea</i>	T	--	<i>Solidago albopilosa</i>		T	LT
Grassleaf Arrowhead			White-haired Goldenrod			
<i>Sagittaria platyphylla</i>	T	--	<i>Solidago buckleyi</i>		S	--
Delta Arrowhead			Buckley's Goldenrod			
<i>Sagittaria rigida</i>	E	--	<i>Solidago curtisii</i>		T	--
Sessile-fruited Arrowhead			Curtis' Goldenrod			
<i>Salix amygdaloides</i>	H	--	<i>Solidago gracillima</i>		S	--
Peach-leaved Willow			Southern Bog Goldenrod			
<i>Salix discolor</i>	H	--	<i>Solidago puberula</i>		S	--
Pussy Willow			Downy Goldenrod			
<i>Salvia urticifolia</i>	E	--	<i>Solidago randii</i>		S	--
Nettle-leaf Sage			Rand's Goldenrod			
<i>Sambucus racemosa</i> ssp. <i>pubens</i>	E	--	<i>Solidago roanensis</i>		T	--
Red Elderberry			Roan Mountain Goldenrod			
<i>Sanguisorba canadensis</i>	E	--	<i>Solidago shortii</i>		E	LE
Canada Burnet			Short's Goldenrod			
<i>Saxifraga michauxii</i>	T	--	<i>Solidago squarrosa</i>		H	--
Michaux's Saxifrage			Square Rose Goldenrod			
<i>Saxifraga micranthidifolia</i>	E	--	<i>Sparganium eurycarpum</i>		E	--
Lettuce-leaf Saxifrage			Large Bur-reed			
<i>Saxifraga pensylvanica</i>	H	--	<i>Sphenopholis pensylvanica</i>		S	--
Swamp Saxifrage			Swamp Wedgescale			
<i>Schisandra glabra</i>	E	--	<i>Spiraea alba</i>		E	--
Bay Starvine			Narrow-leaved Meadow-sweet			
<i>Schizachne purpurascens</i>	T	--	<i>Spiraea virginiana</i>		T	LT
Purple Oat			Virginia Spiraea			
<i>Schoenoplectus hallii</i>	E	--	<i>Spiranthes lucida</i>		T	--
Hall's Bulrush			Shining Ladies'-tresses			
<i>Schoenoplectus heterochaetus</i>	H	--	<i>Spiranthes magnicamporum</i>		T	--
Slender Bulrush			Great Plains Ladies'-tresses			
<i>Schalbea americana</i>	H	LE	<i>Spiranthes ochroleuca</i>		T	--
Chaffseed			Yellow Nodding Ladies'-tresses			
<i>Scirpus expansus</i>	E	--	<i>Spiranthes odorata</i>		E	--
Woodland Beakrush			Sweetscent Ladies'-tresses			

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	Status KSNPC US			Status KSNPC US		
<i>Sporobolus clandestinus</i>	T	--	<i>Triplasis purpurea</i>		H	--
Rough Dropseed			Purple Sandgrass			
<i>Sporobolus heterolepis</i>	E	--	<i>Ulmus serotina</i>		S	--
Northern Dropseed			September Elm			
<i>Stachys eplingii</i>	H	--	<i>Utricularia macrorhiza</i>		E	--
Epling's Hedgenettle			Greater Bladderwort			
<i>Stellaria fontinalis</i>	T	--	<i>Vaccinium erythrocarpum</i>		E	--
Water Stitchwort			Southern Mountain Cranberry			
<i>Stellaria longifolia</i>	S	--	<i>Vallisneria americana</i>		S	--
Longleaf Stitchwort			Eelgrass			
<i>Stenanthium gramineum</i>	T	--	<i>Vernonia noveboracensis</i>		S	--
Eastern Featherbells			New York Ironweed			
<i>Streptopus roseus</i> var. <i>perspectus</i>	H	--	<i>Veronica americana</i>		H	--
Rosy Twisted-stalk			American Speedwell			
<i>Symporicarpos albus</i>	E	--	<i>Viburnum lantanoides</i>		E	--
Snowberry			Alderleaved viburnum			
<i>Sympyotrichum concolor</i>	T	--	<i>Viburnum molle</i>		T	--
Eastern Silvery Aster			Softleaf Arrowwood			
<i>Sympyotrichum drummondii</i> var. <i>texanum</i>	H	--	<i>Viburnum nudum</i>		E	--
Hairy Heart-leaved Aster			Possumhaw			
<i>Sympyotrichum pratense</i>	S	--	<i>Viburnum rafinesquianum</i> var. <i>rafinesquianum</i>		T	--
Barrens Silky Aster			Downy Arrowwood			
<i>Sympyotrichum priceae</i>	T	--	<i>Viola septemloba</i> var. <i>egglestonii</i>		S	--
White Heath Aster			Eggleson's Violet			
<i>Talinum calcaricum</i>	E	--	<i>Viola walteri</i>		T	--
Limestone Fameflower			Walter's Violet			
<i>Talinum teretifolium</i>	E	--	<i>Vitis labrusca</i>		S	--
Roundleaf Fameflower			Northern Fox Grape			
<i>Taxus canadensis</i>	T	--	<i>Vitis rupestris</i>		T	--
Canadian Yew			Sand Grape			
<i>Tephrosia spicata</i>	E	--	<i>Woodsia scopulina</i> ssp. <i>appalachiana</i>		H	--
Spiked Hoary-pea			Appalachian Woodsia			
<i>Thaspium pinnatifidum</i>	T	--	<i>Xerophyllum asphodeloides</i>		H	--
Cutleaf Meadow-parsnip			Eastern Turkeybeard			
<i>Thermopsis mollis</i>	E	--	<i>Kyris difformis</i>		E	--
Soft-haired Thermopsis			Carolina Yellow-eyed-grass			
<i>Thuja occidentalis</i>	T	--	<i>Zizania palustris</i> var. <i>interior</i>		H	--
Northern White Cedar			Indian Wild Rice			
<i>Torreyochloa pallida</i>	E	--	<i>Zizaniopsis miliacea</i>		T	--
Pale Manna Grass			Southern Wild Rice			
<i>Toxicodendron vernix</i>	E	--				
Poison Sumac						
<i>Tragia urticifolia</i>	E	--				
Nettle-leaf Noseburn						
<i>Trepocarpus aethusae</i>	S	--				
Trepocarpus						
<i>Trichostema setaceum</i>	E	--	<b>ANIMALS</b>			
Narrowleaved Bluecurls						
<i>Trientalis borealis</i>	E	--	<b>Gastropods</b>			
Northern Starflower						
<i>Trifolium reflexum</i>	E	--	<i>Anguispira rugoderma</i>		E	--
Buffalo Clover			Pine Mountain Tigersnail			
<i>Trifolium stoloniferum</i>	T	LE	<i>Antrochelates spiralis</i>		S	--
Running Buffalo Clover			Shaggy Cavesnail			
<i>Trillium nivale</i>	E	--	<i>Appalachina chilhoweensis</i>		S	--
Snow Trillium			Queen Crater			
<i>Trillium pusillum</i>	E	--	<i>Fumonelix wetherbyi</i>		S	--
Least Trillium			Clifty Covert			
<i>Trillium undulatum</i>	T	--	<i>Glyphaulinia raderi</i>		S	--
Painted Trillium			Maryland Glyph			
			<i>Glyphaulinia rhoadsi</i>		T	--
			Sculpted Glyph			
			<i>Helicodiscus notius specus</i>		T	--
			A Snail			

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	Status KSNPC US			Status KSNPC US	
<i>Helicodiscus punctatellus</i>	S	--	<i>Epioblasma triquetra</i>		E --
Punctate Coil			Snuffbox		
<i>Leptoxis praerosa</i>	S	--	<i>Fusconaia subrotunda subrotunda</i>		S --
Onyx Rocksnail			Longsolid		
<i>Lithasia armigera</i>	S	--	<i>Lampsilis abrupta</i>		E LE
Armored Rocksnail			Pink Mucket		
<i>Lithasia geniculata</i>	S	--	<i>Lampsilis ovata</i>		E --
Ornate Rocksnail			Pocketbook		
<i>Lithasia salebrosa</i>	S	--	<i>Lasmigona compressa</i>		E --
Muddy Rocksnail			Creek Heelsplitter		
<i>Lithasia verrucosa</i>	S	--	<i>Obovaria retusa</i>		E LE
Varicose Rocksnail			Ring Pink		
<i>Mesomphix rugeli</i>	T	--	<i>Pegias fabula</i>		E LE
Wrinkled Button			Littlewing Pearlymussel		
<i>Neohelix dentifera</i>	T	--	<i>Plethobasus cooperianus</i>		E LE
Big-tooth Whitelip			Orangefoot Pimpleback		
<i>Paravitrea lapilla</i>	T	--	<i>Plethobasus cyphyus</i>		E C
Gem Supercoil			Sheepnose		
<i>Patera panselenus</i>	S	--	<i>Pleurobema clava</i>		E LE
Virginia Bladetooth			Clubshell		
<i>Pilsbryna</i> sp. 1	E	--	<i>Pleurobema oviforme</i>		E --
A Snail			Tennessee Clubshell		
<i>Pleurocera alveare</i>	S	--	<i>Pleurobema plenum</i>		E LE
Rugged Hornsnail			Rough Pigtoe		
<i>Pleurocera curta</i>	S	--	<i>Pleurobema rubrum</i>		E --
Shortspire Hornsnail			Pyramid Pigtoe		
<i>Rabdota dealbatus</i>	T	--	<i>Potamilus capax</i>		E LE
Whitewashed Rabdotus			Fat Pocketbook		
<i>Rhodacme elatior</i>	S	--	<i>Potamilus purpuratus</i>		E --
Domed Aencylid			Bleufer		
<i>Vertigo bollesiana</i>	E	--	<i>Ptychobranchus subtentum</i>		E C
Delicate Vertigo			Fluted Kidneyshell		
<i>Vertigo clappi</i>	E	--	<i>Quadrula cylindrica cylindrica</i>		T --
Cupped Vertigo			Rabbitsfoot		
<i>Vitrinizonites latissimus</i>	T	--	<i>Simpsonaias ambigua</i>		T --
Glassy Grapeskin			Salamander Mussel		
<i>Webbhelix multilineata</i>	T	--	<i>Toxolasma lividus</i>		E --
Striped Whitelip			Purple Lilliput		
<b>Freshwater Mussels</b>					
<i>Alasmidonta atropurpurea</i>	E	LE	<i>Toxolasma texaniensis</i>		E --
Cumberland Elktoe			Texas Lilliput		
<i>Alasmidonta marginata</i>	T	--	<i>Villosa lienosa</i>		S --
Elktoe			Little Spectaclecase		
<i>Anodontoides denigratus</i>	E	--	<i>Villosa ortmanni</i>		T --
Cumberland Papershell			Kentucky Creekshell		
<i>Cumberlandia monodonta</i>	E	C	<i>Villosa trabalis</i>		E LE
Spectaclecase			Cumberland Bean		
<i>Cyprogenia stegaria</i>	E	LE	<i>Villosa vanuxemiensis</i>		T --
Fanshell			Mountain Creekshell		
<i>Epioblasma brevidens</i>	E	LE	<b>Arachnids</b>		
Cumberlandian Combshell			<i>Hesperonemastoma inops</i>		S --
<i>Epioblasma capsaeformis</i>	E	LE	A Cave Harvestman		
Oyster Mussel			<i>Kleptochthonius attenuatus</i>		T --
<i>Epioblasma florentina walkeri</i>	E	LE	A Cave Pseudoscorpion		
Tan Riffleshell			<i>Kleptochthonius cerberus</i>		S --
<i>Epioblasma obliquata obliquata</i>	E	LE	A Cave Pseudoscorpion		
Catspaw			<i>Kleptochthonius erebicus</i>		T --
<i>Epioblasma torulosa rangiana</i>	E	LE	A Cave Pseudoscorpion		
Northern Riffleshell			<i>Kleptochthonius hageni</i>		S --
			A Cave Pseudoscorpion		

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	Status KSNPC US			Status KSNPC US	
<i>Papaipema beeriana</i>	T	--	<i>Pseudanophthalmus transfluvialis</i>	S	--
Blazing Star Stem Borer			A Cave Beetle		
<i>Papaipema eryngii</i>	E	--	<i>Pseudanophthalmus troglodytes</i>	T	C
Rattlesnake-master Borer Moth			Louisville Cave Beetle		
<i>Papaipema</i> sp. 5	E	--	<i>Pseudosinella espanita</i>	S	--
Rare Cane Borer Moth			A Cave Springtail		
<i>Phyciodes batesii</i>	H	--	<i>Pyrgus wyandot</i>	H	--
Tawny Crescent			Appalachian Grizzled Skipper		
<i>Polygonia faunus</i>	H	--	<i>Raptoheptagenia cruentata</i>	H	--
Green Comma			A Heptageniid Mayfly		
<i>Polygonia progne</i>	H	--	<i>Satyrium favonius ontario</i>	S	--
Gray Comma			Northern Hairstreak		
<i>Prairiana kansana</i>	E	--	<i>Speyeria idalia</i>	H	--
A Cicadellid Leafhopper			Regal Fritillary		
<i>Pseudanophthalmus audax</i>	T	--	<i>Stenonema bednariki</i>	S	--
Bold Cave Beetle			A Heptageniid Mayfly		
<i>Pseudanophthalmus calcareus</i>	T	--	<i>Stylurus notatus</i>	E	--
Limestone Cave Beetle			Elusive Clubtail		
<i>Pseudanophthalmus catoryctos</i>	E	C	<i>Stylurus scudderi</i>	H	--
Lesser Adams Cave Beetle			Zebra Clubtail		
<i>Pseudanophthalmus cneophorus</i>	T	--	<i>Traverella lewisi</i>	H	--
A Cave Beetle			A Leptophlebiid Mayfly		
<i>Pseudanophthalmus conditus</i>	T	--	<i>Tychobythinus hubrichti</i>	T	--
Hidden Cave Beetle			A Cave Beetle		
<i>Pseudanophthalmus desertus major</i>	T	C		<b>Fishes</b>	
Beaver Cave Beetle			<i>Acipenser fulvescens</i>	E	--
<i>Pseudanophthalmus exoticus</i>	H	--	Lake Sturgeon		
Exotic Cave Beetle			<i>Alosa alabamae</i>	E	C
<i>Pseudanophthalmus frigidus</i>	T	C	Alabama Shad		
Icebox Cave Beetle			<i>Amblyopsis spelaea</i>	S	--
<i>Pseudanophthalmus globiceps</i>	T	--	Northern Cavefish		
Round-headed Cave Beetle			<i>Ammocrypta clara</i>	E	--
<i>Pseudanophthalmus horni abditus</i>	T	--	Western Sand Darter		
Concealed Cave Beetle			<i>Atractosteus spatula</i>	E	--
<i>Pseudanophthalmus horni caecus</i>	T	C	Alligator Gar		
Clifton Cave Beetle			<i>Cyprinella camura</i>	E	--
<i>Pseudanophthalmus horni horni</i>	S	--	Bluntnose Shiner		
Garman's Cave Beetle			<i>Cyprinella venusta</i>	S	--
<i>Pseudanophthalmus hypolithos</i>	T	--	Blacktail Shiner		
Ashcamp Cave Beetle			<i>Erimystax insignis</i>	E	--
<i>Pseudanophthalmus inexpectatus</i>	T	C	Blotched Chub		
Surprising Cave Beetle			<i>Erimyzon sucetta</i>	T	--
<i>Pseudanophthalmus parvus</i>	T	C	Lake Chubsucker		
Tatum Cave Beetle			<i>Esox niger</i>	S	--
<i>Pseudanophthalmus pholetei</i>	E	C	Chain Pickerel		
Greater Adams Cave Beetle			<i>Etheostoma chienense</i>	E	LE
<i>Pseudanophthalmus pubescens intrepidus</i>	T	--	Relict Darter		
A Cave Beetle			<i>Etheostoma cinereum</i>	S	--
<i>Pseudanophthalmus puteanus</i>	T	--	Ashy Darter		
Old Well Cave Beetle			<i>Etheostoma fusiforme</i>	E	--
<i>Pseudanophthalmus rogersae</i>	T	--	Swamp Darter		
Rogers' Cave Beetle			<i>Etheostoma lynceum</i>	E	--
<i>Pseudanophthalmus scholasticus</i>	T	--	Brighteye Darter		
Scholarly Cave Beetle			<i>Etheostoma maculatum</i>	T	--
<i>Pseudanophthalmus simulans</i>	T	--	Spotted Darter		
Cub Run Cave Beetle			<i>Etheostoma microlepidum</i>	E	--
<i>Pseudanophthalmus solivagus</i>	S	--	Smallscale Darter		
A Cave Beetle			<i>Etheostoma nigrum susanae</i>	E	--
<i>Pseudanophthalmus tenebrosus</i>	T	--	Johnny Darter		
Stevens Creek Cave Beetle					

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	Status KSNPC US			Status KSNPC US	
<i>Etheostoma parvipinne</i>	E	--	<i>Percina macrocephala</i>	E	--
Goldstripe Darter			Longhead Darter		
<i>Etheostoma percnurum</i>	E	LE	<i>Percina squamata</i>	E	--
Duskytail Darter			Olive Darter		
<i>Etheostoma proeliare</i>	T	--	<i>Percopsis omiscomaycus</i>	S	--
Cypress Darter			Trout-perch		
<i>Etheostoma pyrrhogaster</i>	E	--	<i>Phenacobius uranops</i>	S	--
Firebelly Darter			Stargazing Minnow		
<i>Etheostoma swaini</i>	E	--	<i>Phoxinus cumberlandensis</i>	T	LT
Gulf Darter			Blackside Dace		
<i>Fundulus chrysotus</i>	E	--	<i>Platygobio gracilis</i>	S	--
Golden Topminnow			Flathead Chub		
<i>Fundulus dispar</i>	E	--	<i>Scaphirhynchus albus</i>	E	LE
Starhead Topminnow			Pallid Sturgeon		
<i>Hybognathus hayi</i>	E	--	<i>Thoburnia atripinnis</i>	S	--
Cypress Minnow			Blackfin Sucker		
<i>Hybognathus placitus</i>	S	--	<i>Typhlichthys subterraneus</i>	S	--
Plains Minnow			Southern Cavefish		
<i>Ichthyomyzon castaneus</i>	S	--	<i>Umbra limi</i>	T	--
Chestnut Lamprey			Central Mudminnow		
<i>Ichthyomyzon fossor</i>	T	--	<b>Amphibians</b>		
Northern Brook Lamprey			<i>Amphiuma tridactylum</i>	E	--
<i>Ichthyomyzon greeleyi</i>	T	--	Three-toed Amphiuma		
Mountain Brook Lamprey			<i>Cryptobranchus alleganiensis alleganiensis</i>	S	--
<i>Ictiobus niger</i>	S	--	Eastern Hellbender		
Black Buffalo			<i>Eurycea guttolineata</i>	T	--
<i>Lampetra appendix</i>	T	--	Three-lined Salamander		
American Brook Lamprey			<i>Hyla avivoca</i>	S	--
<i>Lepomis marginatus</i>	E	--	Bird-voiced Treefrog		
Dollar Sunfish			<i>Hyla cinerea</i>	S	--
<i>Lepomis miniatus</i>	T	--	Green Treefrog		
Redspotted Sunfish			<i>Hyla gratiosa</i>	S	--
<i>Lota lota</i>	S	--	Barking Treefrog		
Burbot			<i>Hyla versicolor</i>	S	--
<i>Macrhybopsis gelida</i>	H	C	Gray Treefrog		
Sturgeon Chub			<i>Plethodon cinereus</i>	S	--
<i>Macrhybopsis meeki</i>	H	C	Redback Salamander		
Sicklefin Chub			<i>Plethodon wehrlei</i>	E	--
<i>Menidia beryllina</i>	T	--	Wehrle's Salamander		
Inland Silverside			<i>Rana areolata circulosa</i>	S	--
<i>Moxostoma poecilurum</i>	E	--	Northern Crawfish Frog		
Blacktail Redhorse			<i>Rana pipiens</i>	S	--
<i>Nocomis biguttatus</i>	S	--	Northern Leopard Frog		
Hornyhead Chub			<b>Reptiles</b>		
<i>Notropis albizonatus</i>	E	LE	<i>Apalone mutica mutica</i>	S	--
Palezone Shiner			Midland Smooth Softshell		
<i>Notropis hudsonius</i>	S	--	<i>Chrysemys picta dorsalis</i>	T	--
Spottail Shiner			Southern Painted Turtle		
<i>Notropis maculatus</i>	T	--	<i>Clonophis kirtlandii</i>	T	--
Taillight Shiner			Kirtland's Snake		
<i>Notropis</i> sp. 4	E	--	<i>Elaphe guttata guttata</i>	S	--
Sawfin Shiner			Corn Snake		
<i>Noturus exilis</i>	E	--	<i>Eumeces anthracinus</i>	T	--
Slender Madtom			Coal Skink		
<i>Noturus hildebrandi</i>	E	--	<i>Eumeces inexpectatus</i>	S	--
Least Madtom			Southeastern Five-lined Skink		
<i>Noturus phaeus</i>	E	--	<i>Farancia abacura reinwardtii</i>	S	--
Brown Madtom			Western Mud Snake		
<i>Noturus stigmosus</i>	S	--			
Northern Madtom					

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	Status KSNPC US			Status KSNPC US	
<i>Lampropeltis triangulum elapsoides</i>	S	--	<i>Dendroica fusca</i>	T	--
Scarlet Kingsnake			Blackburnian Warbler		
<i>Macroclemys temminckii</i>	T	--	<i>Dolichonyx oryzivorus</i>	S	--
Alligator Snapping Turtle			Bobolink		
<i>Nerodia cyclopion</i>	E	--	<i>Egretta caerulea</i>	E	--
Green Water Snake			Little Blue Heron		
<i>Nerodia erythrogaster neglecta</i>	S	--	<i>Egretta thula</i>	E	--
Copperbelly Water Snake			Snowy Egret		
<i>Nerodia fasciata confluens</i>	E	--	<i>Empidonax minimus</i>	E	--
Broad-banded Water Snake			Least Flycatcher		
<i>Ophisaurus attenuatus longicaudus</i>	T	--	<i>Falco peregrinus</i>	E	--
Eastern Slender Glass Lizard			Peregrine Falcon		
<i>Pituophis melanoleucus melanoleucus</i>	T	--	<i>Fulica americana</i>	E	--
Northern Pine Snake			American Coot		
<i>Sistrurus miliarius streckeri</i>	T	--	<i>Gallinula chloropus</i>	T	--
Western Pygmy Rattlesnake			Common Moorhen		
<i>Thamnophis proximus proximus</i>	T	--	<i>Haliaeetus leucocephalus</i>	T	LT
Western Ribbon Snake			Bald Eagle		
<i>Thamnophis sauritus sauritus</i>	S	--	<i>Ictinia mississippiensis</i>	S	--
Eastern Ribbon Snake			Mississippi Kite		
<b>Breeding Birds</b>					
<i>Accipiter striatus</i>	S	--	<i>Ixobrychus exilis</i>	T	--
Sharp-shinned Hawk			Least Bittern		
<i>Actitis macularia</i>	E	--	<i>Junco hyemalis</i>	S	--
Spotted Sandpiper			Dark-eyed Junco		
<i>Aimophila aestivalis</i>	E	--	<i>Lophodytes cucullatus</i>	T	--
Bachman's Sparrow			Hooded Merganser		
<i>Ammodramus henslowii</i>	S	--	<i>Nyctanassa violacea</i>	T	--
Henslow's Sparrow			Yellow-crowned Night-heron		
<i>Anas clypeata</i>	E	--	<i>Nycticorax nycticorax</i>	T	--
Northern Shoveler			Black-crowned Night-heron		
<i>Anas discors</i>	T	--	<i>Pandion haliaetus</i>	T	--
Blue-winged Teal			Osprey		
<i>Ardea alba</i>	E	--	<i>Passerculus sandwichensis</i>	S	--
Great Egret			Savannah Sparrow		
<i>Ardea herodias</i>	S	--	<i>Phalacrocorax auritus</i>	E	--
Great Blue Heron			Double-crested Cormorant		
<i>Asio flammeus</i>	E	--	<i>Pheucticus ludovicianus</i>	S	--
Short-eared Owl			Rose-breasted Grosbeak		
<i>Asio otus</i>	E	--	<i>Podilymbus podiceps</i>	E	--
Long-eared Owl			Pied-billed Grebe		
<i>Bartramia longicauda</i>	H	--	<i>Pooecetes gramineus</i>	E	--
Upland Sandpiper			Vesper Sparrow		
<i>Botaurus lentiginosus</i>	H	--	<i>Rallus elegans</i>	E	--
American Bittern			King Rail		
<i>Bubulcus ibis</i>	S	--	<i>Riparia riparia</i>	S	--
Cattle Egret			Bank Swallow		
<i>Certhia americana</i>	E	--	<i>Sitta canadensis</i>	E	--
Brown Creeper			Red-breasted Nuthatch		
<i>Chondestes grammacus</i>	T	--	<i>Sterna antillarum athalassos</i>	E	LE
Lark Sparrow			Interior Least Tern		
<i>Circus cyaneus</i>	T	--	<i>Thryomanes bewickii</i>	S	--
Northern Harrier			Bewick's Wren		
<i>Cistothorus platensis</i>	S	--	<i>Tyto alba</i>	S	--
Sedge Wren			Barn Owl		
<i>Corvus corax</i>	T	--	<i>Vermivora chrysoptera</i>	T	--
Common Raven			Golden-winged Warbler		
<i>Corvus ossifragus</i>	S	--	<i>Vireo bellii</i>	S	--
Fish Crow			Bell's Vireo		
			<i>Wilsonia canadensis</i>	S	--
			Canada Warbler		

## Kentucky State Nature Preserves Commission, July 2004

	Status KSNPC US	Status KSNPC US
<b>Mammals</b>		
<i>Clethrionomys gapperi maurus</i>	S	--
Kentucky Red-backed Vole		
<i>Corynorhinus rafinesquii</i>	S	--
Rafinesque's Big-eared Bat		
<i>Corynorhinus townsendii virginianus</i>	E	LE
Virginia Big-eared Bat		
<i>Mustela nivalis</i>	S	--
Least Weasel		
<i>Myotis austroriparius</i>	E	--
Southeastern Myotis		
<i>Myotis grisescens</i>	T	LE
Gray Myotis		
<i>Myotis leibii</i>	T	--
Eastern Small-footed Myotis		
<i>Myotis sodalis</i>	E	LE
Indiana Bat		
<i>Nycticeius humeralis</i>	S	--
Evening Bat		
<i>Peromyscus gossypinus</i>	T	--
Cotton Mouse		
<i>Sorex cinereus</i>	S	--
Cinereus Shrew		
<i>Sorex dispar blitchi</i>	E	--
Long-tailed Shrew		
<i>Spilogale putorius</i>	S	--
Eastern Spotted Skunk		
<i>Ursus americanus</i>	S	--
American Black Bear		

<sup>1</sup> Species without English (common) names have not been assigned official names.

## Plants and animals presumed extinct or extirpated from Kentucky, July 2004

	US Status <sup>1</sup>	US Status <sup>1</sup>
<b>PLANTS</b>		
<b>Vascular Plants</b>		
<i>Caltha palustris</i> var. <i>palustris</i>	--	
Marsh Marigold		
<i>Orbexilum stipulatum</i>	--	
Stipuled Scurf-pea		
<i>Physostegia intermedia</i>	--	
Slender Dragon-head		
<i>Polytaenia nuttallii</i>	--	
Prairie Parsley		
<b>ANIMALS</b>		
<b>Freshwater Mussels</b>		
<i>Dromus dromas</i>	LE	
Dromedary Pearlmussel		
<i>Epioblasma arcaeformis</i>	--	
Sugarspoon		
<i>Epioblasma biemarginata</i>	--	
Angled Riffleshell		
<i>Epioblasma flexuosa</i>	--	
Leafshell		
<i>Epioblasma florentina florentina</i>	LE	
Yellow Blossom		
<i>Epioblasma haysiana</i>	--	
Acornshell		
<i>Epioblasma lewisi</i>	--	
Forkshell		
<i>Epioblasma obliquata perobliqua</i>	LE	
White Catspaw		
<i>Epioblasma personata</i>	--	
Round Combshell		
<i>Epioblasma phillipsii</i>	--	
Cincinnati riffleshell		
<i>Epioblasma propinqua</i>	--	
Tennessee Riffleshell		
<i>Epioblasma sampsonii</i>	--	
Wabash Riffleshell		
<i>Epioblasma stewardsonii</i>	--	
Cumberland Leafshell		
<i>Epioblasma torulosa torulosa</i>	LE	
Tubercled Blossom		
<i>Hemistena lata</i>	LE	
Cracking Pearlmussel		
<i>Lasmigona subviridis</i>	--	
Green Floater		
<i>Leptodea leptodon</i>	LE	
Scaleshell		
<i>Lexingtonia dolabelloides</i>	C	
Slabside Pearlmussel		
<i>Plethobasius cicatricosus</i>	LE	
White Wartyback		
<i>Quadrula fragosa</i>	LE	
Winged Mapleleaf		
<b>Insects</b>		
<i>Pentagenia robusta</i>	--	
Robust Pentagenian Burrowing Mayfly		
<b>Fishes</b>		
<i>Ammocrypta vivax</i>	--	
Scaly Sand Darter		
<i>Crystallaria asprella</i>	--	
Crystal Darter		
<i>Erimystax x-punctatus</i>	--	
Gravel Chub		
<i>Etheostoma microporca</i>	--	
Least Darter		
<i>Hemitremia flammea</i>	--	
Flame Chub		
<i>Hybopsis amnis</i>	--	
Pallid Shiner		
<i>Ichthyomyzon gagei</i>	--	
Southern Brook Lamprey		
<i>Moxostoma lacerum</i>	--	
Harelip Sucker		
<i>Moxostoma valenciennesi</i>	--	
Greater Redhorse		
<i>Percina burtoni</i>	--	
Blotchside Logperch		
<b>Reptiles</b>		
<i>Masticophis flagellum flagellum</i>	--	
Coachwhip		
<b>Breeding Birds</b>		
<i>Anhinga anhinga</i>	--	
Anhinga		
<i>Campephilus principalis</i>	LE	
Ivory-billed Woodpecker		
<i>Chlidonias niger</i>	--	
Black Tern		
<i>Conuropsis carolinensis</i>	--	
Carolina Parakeet		
<i>Ectopistes migratorius</i>	--	
Passenger Pigeon		
<i>Elanoides forficatus</i>	--	
Swallow-tailed Kite		
<i>Picoides borealis</i>	LE	
Red-cockaded Woodpecker		
<i>Tympanuchus cupido</i>	--	
Greater Prairie-chicken		
<i>Vermivora bachmanii</i>	LE	
Bachman's Warbler		

## Plants and animals presumed extinct or extirpated from Kentucky, July 2004

	US Status <sup>1</sup>	US Status <sup>1</sup>
<b>Non-Breeding Birds</b>		
<i>Cygnus buccinator</i>	--	
Trumpeter Swan		
<i>Grus americana</i>	LE	
Whooping Crane		
<b>Mammals</b>		
<i>Bos bison</i>	--	
American Bison		
<i>Canis lupus</i>	LE	
Gray Wolf		
<i>Canis rufus</i>	LE	
Red Wolf		
<i>Felis concolor couguar</i>	LE	
Eastern Cougar		

<sup>1</sup> The US Status provided here refers to the current status of the taxon under the U.S. Endangered Species Act (USESA) as interpreted for its range within the state of Kentucky.

## KEY TO STATUS CATEGORIES

### **(KSNPC) Kentucky State Nature Preserves Commission**

- E: Endangered. A taxon in danger of extirpation and/or extinction throughout all or a significant part of its range in Kentucky.  
T: Threatened. A taxon likely to become endangered within the foreseeable future throughout all or a significant part of its range in Kentucky.  
S: Special Concern. A taxon that should be monitored because (1) it exists in a limited geographic area in Kentucky, (2) it may become threatened or endangered due to modification or destruction of habitat, (3) certain characteristics or requirements make it especially vulnerable to specific pressures, (4) experienced researchers have identified other factors that may jeopardize it, or (5) it is thought to be rare or declining in Kentucky but insufficient information exists for assignment to the threatened or endangered status categories.  
H: Historic. A taxon documented from Kentucky, but not observed reliably since 1984 and not considered extinct or extirpated.

### **(US) Endangered Species Act of 1973**

- E: Endangered. ". . . any species . . . in danger of extinction throughout all or a significant portion of its range . . ." (USFWS 1992).  
T: Threatened. ". . . any species . . . likely to become an endangered species within the foreseeable future throughout all or a significant portion of its range" (USFWS 1992).  
C: Candidate. Species for which the USFWS has ". . . on file sufficient information on biological vulnerability and threats to support proposals to list them as endangered or threatened" (USFWS 2004).

**Extinct/Extirpated.** A taxon for which habitat loss has been pervasive and/or concerted efforts by knowledgeable biologists to collect or observe specimens within appropriate habitat have failed.

Extinct: A taxon that no longer exists.

Extirpated: A taxon that no longer exists in the wild in Kentucky, but exists elsewhere in the wild.

### **For status category definitions see:**

United States Fish and Wildlife Service. 1992. Endangered Species Act of 1973 as amended through the 100th Congress. United States Government Printing Office, Washington, District of Columbia.

United States Fish and Wildlife Service. 2004. Endangered and threatened wildlife and plants; review of species that are candidates or proposed for listing as endangered or threatened; annual notice of findings on resubmitted petitions; annual description of progress on listing actions; notice of review; proposed rule. Federal Register 69:24876-24904.

### **US statuses were taken from:**

United States Fish and Wildlife Service. 2000. Endangered and threatened wildlife and plants. Department of the Interior, Washington, DC.

United States Fish and Wildlife Service. 2004. Endangered and threatened wildlife and plants; review of species that are candidates or proposed for listing as endangered or threatened; annual notice of findings on resubmitted petitions; annual description of progress on listing actions; notice of review; proposed rule. Federal Register 69:24876-24904.

## NOMENCLATURE SOURCES

Sources consulted for the plant and lichen names are: Anderson (1990), Crum et al. (1990), Egan (1987), Flora of North America Editorial Committee (1997, 2002), Kartesz (1994) and Snider (1988). Sources consulted for the common and scientific names of animals are as follows: gastropods—Hubricht (1985) and Turgeon et al. (1998); freshwater mussels—Conrad 1835, Gordon (1995), and Turgeon et al. (1998); crustaceans—Barr (1968), Cole and Minckley (1961), Holsinger (1972), Lewis (1988), Taylor and Sabaj (1998), Taylor and Schuster (2004), and Williams et al. (1989); insects—Arnett (1983); Barr (1996), Cassie et al. (1995), Krekeler (1973), McCafferty (1996), Miller (1992), Morse (1993), NatureServe (2004), Paulson and Dunkle (1999), Schuster (1997), and Schweitzer (1989); fishes—Jenkins and Burkhead (1993), Page and Burr (1991), Page et al. (1992), Robins et al. (1991), Warren (1992), and Warren et al. (1994); amphibians and reptiles—Collins (2002), Frost (1985), and King and Burke (1989); breeding birds—AOU (1998); mammals—Hall (1981), Jones et al. (1992), and Wilson and Reeder (1993).

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